

Appl. No. 09/821,848  
Attorney Docket No.: 2001A001  
Amdt. In Response to June 23, 2006 Office Action

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**Amendments to the Claims:**

This listing of claims will replace all prior versions and listing of claims in this application.

**Listing of Claims:**

Claims 1-32. (Canceled)

33. (Previously Presented) A method for the deposition and analysis of a multi-layer structure, comprising the steps of:

- a) continuously depositing a first material on a substrate in the form of a linear feature;
- b) continuously depositing a second material over said first material to form a linear multi-layer structure; and
- c) analyzing said linear multi-layer structure for at least one material property, wherein the ratio of said first material to said second material is varied on a real-time basis such that said linear multi-layer structure comprises a first multi-layer composition at a first portion and a second multi-layer composition at a second portion of said linear structure.

34. (Canceled)

35. (Original) A method as recited in Claim 33, wherein said depositing step comprises depositing said first and second materials with a direct-write tool.

36. (Original) A method as recited in Claim 33, wherein at least one of said first and second materials is a particulate reacted precursor.

37. (Original) A method as recited in Claim 33, wherein at least one of said first and second materials comprises a polymer.

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38. (Original) A method as recited in Claim 33, wherein at least one of said first and second materials comprises a hydrophobic polymer.

39. (Original) A method as recited in Claim 33, wherein at least one of said first and second materials comprises an electrocatalyst.

Claims 40-85 (Canceled)